

## INTERNATIONAL SEARCH REPORT

US2004/001461

,	·		2004/001401	
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER C12N15/11 A61K31/713 A61P31/14			
	International Patent Classification (IPC) or to both national classification	and IPC	·	
	SEARCHED	·		
Minimum do IPC 7	cumentation searched (classification system followed by classification s ${\tt C12N}$	ymbols)	·	
Documentat	ion searched other than minimum documentation to the extent that such	documents are included in the fi	elds searched	
Electronic d	ata base consulted during the international search (name of data base	and, where practical, search term	s used)	
EPO-In	ternal, EMBASE, WPI Data			
			ľ	
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant	ant passages	Relevant to claim No.	
Y	WO 02/055693 A (RIBOPHARMA AG) 18 July 2002 (2002-07-18)		1-18, / 20-64, 66-80, 82-85	
	* See the whole document (which di much the same matter as the presen cation - except the lipophilic gro	t Appli-	·	
Υ	TUSCHL ET AL: "Small interfering RNAs: a revolutionary tool for the analysis of gene function and gene therapy" MOLECULAR INTERVENTIONS, vol. 2, 2002, pages 158-167, XP002294002 * See page 163, right column (-> attachment of lipophilic residues at the 3'-termini) *		1-18, 20-64, 66-80, 82-85	
	-/	<b>'_</b>		
X Furt	ther documents are listed in the continuation of box C.	Patent family members at	re listed in annex.	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "Cannot be cannot be ca			ant of particular relevance; the claimed Invention the considered novel or cannot be considered to e an inventive step when the document is taken atone ent of particular relevance; the claimed Invention the considered to involve an inventive step when the nent is combined with one or more other such docu- to combination being obvious to a person skilled	
Date of the actual completion of the International search  10 September 2004		Date of mailing of the international search report  24/09/2004		
	mailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Korsner, S-E		

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	neevan to cam to.	
Y	MANOHARAN: "Oligonucleotide conjugates as potential antisense drugs with improved uptake, biodistribution, targeted delivery, and mechanism of action" ANTISENSE NUCLEIC ACID DRUG DEVELOPMENT, vol. 12, 2002, pages 103-128, XP002294027 cited in the application * See pages 106-112 (Conjugates improving cellular association: lipophilic molecular conjugation) *	1-18, 20-64, 66-80, 82-85	
<b>Y</b>	CHIU ET AL: "RNAi in human cells: Basic structural and functional features of small interfering RNA" MOLECULAR CELL, vol. 10, 2002, pages 549-561, XP002978510 cited in the application * See page 552 (left column), and pages 558-559 (Discussion) *	1-18, 20-64, 66-80, 82-85	
Υ	SCHWARZ ET AL: "Evidence that siRNAs function as guides, not primers, in the Drosophila and human RNAi patways" MOLECULAR CELL, vol. 10, 2002, pages 537-548, XP002257820 cited in the application * See pages 537-538 (Introduction), and page 544 (right column) *	1-18, 20-64, 66-80, 82-85	
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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Although Claims 52-74 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.:     because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.



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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)					
1.	With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nition, the international search was carried out on the basis of:			
	a.	type of material  X a sequence listing table(s) related to the sequence listing			
	b.	format of material  X in written format  in computer readable form			
	<b>c.</b>	time of filing/fumIshing  Contained in the International application as filed filed together with the International application in computer readable form furnished subsequently to this Authority for the purpose of search			
2.		In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
3.	Addi	litional comments:			



## INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
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